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Routing Slip

TO:	ACTION	COORD	INFO
EO/ICS			
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REO			X
COMIREX			
SIGINT			
HUMINT			
MASINT			
IPC			
PBO			X
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IHC			X
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SUSPENSE: _____ Date			
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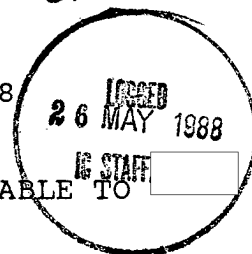
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**DEPARTMENT OF THE NAVY**  
**JOINT NATIONAL INTELLIGENCE DEVELOPMENT STAFF**  
4600 SILVER HILL ROAD, WASHINGTON, D.C. 20389

*LIA 12-SR*

3810  
Ser JNIDS 010/88  
11 May 88



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Subj: MINUTES OF THE 29 April 1988 OVERSIGHT BOARD MEETING (U)

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Encl: (1) Memorandum for the Record, Oversight Board Meeting,  
29 April 1988 w/attachment [Briefing Viewgraph  
Copies] (S/NF/NC)

1. Enclosure (1) is forwarded for your information and retention.

*James E. Ripple, Jr.*  
James E. Ripple, Jr.  
Captain, USN  
Director, JNIDS

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1. (S) The JNIDS Oversight Board met in the Director, DIA's conference room in the Pentagon at 1000, 29 April 1988 to review the status of current JNIDS projects and to decide the future of JNIDS in light of critical funding shortfalls.

2. (U) The following representatives were in attendance, with RADM R. W. Schmitt, USN presiding as Acting Chairman in place of Lt Gen Perroots:

a. Oversight Board:

NAVY	Mr. Richard Haver, Deputy DNI (representing RADM W. O. Studeman, USN; JNIDS Executive Agent)
ARMY	LtG Sydney T. Weinstein, USA
ICS	Lt Gen Edward Heinz, USAF
NSA	<div style="border: 1px solid black; width: 200px; height: 15px; display: inline-block;"></div> (representing LTG Odom)
USAF	Col Billy J. Bingham, USAF (representing Maj Gen Bissell, USAF)
USSPACECOM	Col Richard Davis, USAF (NORAD/NCI) (representing Brig Gen O'Lear)
COMNAVINTCOM	CAPT William Cracknell, USN
USMC	COL Francis M. Burke (representing Brig Gen Breth)
SAC	Col Lee Hill (representing Maj Gen Doyle)

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b. others:

GDIP	<div style="border: 1px solid black; width: 250px; height: 25px; display: inline-block;"></div>
CNO/OP-092P	CAPT Terrance LaPierre
DIA/DB	<div style="border: 1px solid black; width: 200px; height: 50px; display: inline-block;"></div>
DIA/JSW	
DIA/DSM	

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NSA

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USAF

Maj Dennis Killian

JNIDS

CAPT James E. Ripple, Jr., USN  
 LtCol Francis X. Zak, USAF  
 LtCol Sharon Nelson, USAF  
 CDR Charles M. Hess, USN  
 Maj Christine Barton, USA

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3. (S) The purpose of the meeting was to update the members on Project I and SCP implementation status at NAVOPINTCEN, Project II and III development efforts at HQ SAC/544 SIW, Project IV plans and the status of functional analysis efforts with U.S. Forces Korea, current progress regarding technology sharing, and, most importantly, resource issues and alternative courses of action related to critical funding shortfalls beginning in FY90.

4. (S/NF) In updating the Board on underway project status, Captain Ripple briefed that:

- Project I is currently in Phase 4. This maintenance phase will terminate later this year with full implementation of the Analyst Colleague, Scenario Generator and Text Interpretation Aid tools in NAVOPINTCEN. DSAT Data Base update of the SCP is likely to remain a manual disc transfer due to SCP security restrictions.

- Project II is in the final development stage (Phase III) and will be delivered to 544 SIW in October for full analytical operations. Captain Ripple noted that these tools have been used in a semi-operational mode over the last six months. Future focus of Project II will shift to technology sharing aspects of these tools, with the initial emphasis on NORAD implementation of Project II as LAWS (Long Range Cruise Missile Analysis and Warning System). CSP message link accreditation, full system integration and migration to a SUN environment will be completed over the next five months.

- Project III software has undergone a series of knowledge engineering sessions with SAC and national level analysts and will soon be entering the year-long Phase II iteration cycle. Captain Ripple opened discussion on duplication of efforts, vis-a-vis other government development programs focused on the Soviet Mobile ICBM threat, with a review of community actions taken or attempted in recent months (refer to viewgraphs). He closed by stating the intention to conduct a "side-by-side comparison" in Omaha of similar development efforts with evaluation by 544SIW analysts. Mr. Nagy reiterated the appearance of duplication of contract work and fully supported SAC analyst review of "competing" systems. He also mentioned that a meeting would occur the following week in Omaha among several government development offices, including JNIDS, to

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review and coordinate contract tasks and identify where sharing technology and data structures would help reduce overall costs.

5. (S/NF/NC) Captain Ripple announced that the Project IV project team was enroute to Korea for USFK review of initial functional analysis findings. During that two-week visit, the J2 analysts in Seoul will aid in developing recommendations for task development. Subsequent to the trip, a draft SOW will be written and an RFP released in Spring 1989. Contract work would then commence in Fall of 1989 assuming restoral of project funds beginning in FY90.

6. (C) Captain Ripple briefed JNIDS technology sharing with SCP JR and FULCRUM transfers, and Project II implementation start-up efforts in FY89 at NORAD and its Regional Operations Control Centers. The potential for wider applications of Projects II, III, and IV with MITRE assistance completed this discussion.

7. (S) Captain Ripple initiated a discussion on resource issues by commenting that the current JNIDS budget situation will only permit a rudimentary, fragile, functional MICBM project IOC prototype to be delivered to SAC in June 1989. It will have limited modeling and there will be no completion or stabilization of the software. Furthermore, without restoral of FY90 funds no contracted development work would occur for the Korean I&W project. The impact on the community would be that without Project IV the opportunity would be lost to transfer the first developed AI techniques in the I&W domain to other analytical centers. At this point, Col Davis briefed USSPACECOM and NORAD endorsement of continuing the JNIDS program. Mr. Haver remarked that it was not a question of whether we could afford to fund JNIDS but whether the Defense Intelligence Community could afford not to fund JNIDS. Captain Ripple continued by offering budgetary requirements for completing both Projects III and IV:

FY89 \$2.2M for Project III

FY90 \$3.1M for Project III  
\$3M for Project IV (pared down from 5m)

FY91 \$600K for Project III  
\$3M for Project IV

FY92 \$1M for Project IV

(Note: Future initiatives (e.g. Project V) beginning in FY91 will be identified to the GDIP program manager.)

- An additional critical impact on the JNIDS program resulting from the budgetary uncertainty centers on identification of qualified replacements for current personnel being reassigned following normal duty cycles.

8. (S) The Navy agreed to restore base funding from FY90 on,

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providing DIA and the services "fair share" project initiative funding and the JNIDS MOA be amended to reflect this arrangement. The Board approved this action, with Army dissenting, and directed the GDIP Program Manager to establish a protected JNIDS funding line, not necessarily within Navy TOA, through "fair share" assessment of each Service and DIA. LTG Weinstein requested that an amendment be affixed to the Boards' guidance to JNIDS that closer coordination be established with DARPA and several Army-related AI efforts. Lt Gen Heinz remarked that U&S Command and Theater J-2's lack the fiscal wherewithal to fund JNIDS-like work and that the Services alone find it difficult to obligate long-term POM dollars for such development efforts. He closed with the comment that the Board's action in restoring the JNIDS line and fencing these dollars under the Program Manger would help resolve, long term analytical problems.

Submitted:

*James E. Ripple, Jr.*  
JAMES E. RIPPLE, JR.

Approved:

*Richard L. Ham*  
W. O. STUDEMAN

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## **JNIDS OVERSIGHT BOARD**

**29 APRIL 1988**

### **AGENDA**

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- **PROJECT STATUS REPORTS**
- **TECHNOLOGY SHARING PROGRESS**
- **RESOURCE ISSUES**
  - **IMPACT ON PROJECTS**
  - **REQUIREMENTS**
  - **NAVY POSITION**
  - **ALTERNATIVES**
- **JNIDS FUTURE ?**

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## **SLBM PROJECT STATUS**

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- **OPERATIONAL AT NOIC:**

- **SCENARIO GENERATOR (FORMERLY CRVA)**

- **SCP & SCP JR**

- (JR ALSO AT PAC, LANT, NAVEUR, MOD UK & NSA)**

- **SOON TO BE OPERATIONAL:**

- **ANALYST COLLEAGUE (MAY)**

- **TEXT AID INPUT TO DSAT (MAY/JUNE)**

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## **ALCM PROJECT STATUS**

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- **DEVELOPMENT CYCLE ON SCHEDULE:**
  - **OPERATIONAL PROTOTYPE - OCT 88**
- **USER ITERATIONS REFINING SOFTWARE**
- **ANALYTICAL CAPABILITIES - QUANTUM IMPROVEMENT**
- **FUTURE ACTIONS:**
  - **DIA ACCREDIT CSP LINK - JUL**
  - **ALL SUN ENVIRONMENT - SEP**
  - **FULL SYSTEM INTEGRATION - AUG**
  - **SYSTEM HOSTED AT NORAD - NOV**
  - **AD-TIA TO NOSC - FY 89**

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## **MICBM PROJECT STATUS**

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- **KNOWLEDGE ENGINEERING CYCLE ON SCHEDULE:**
  - **SESSIONS IN DC IN MARCH & APRIL**
  - **INITIAL PROTOTYPE - JUNE 6th IN OMAHA**
- **ANALYTICAL CAPABILITIES TO BEGIN EVALUATION:**
  - **PHASE 2 USER ITERATIONS UNTIL JUNE 89**
  - **544th SIW, US SPACECOM & DC ANALYSTS**
- **FOLLOW-ON SCHEDULE:**
  - **JUNE 89 - FUNCTIONAL PROTOTYPE**
  - **JUNE 90 - OPERATIONAL PROTOTYPE**
    - **SOFTWARE AVAILABLE FOR TRANSFER**

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## **MICBM DUPLICATION OF EFFORT**

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- **JNIDS/SP-10 MEETING - 19 APRIL 88**
  - **DETERMINE IF DUPLICATING**
  - **TAKE ACTION TO OBVIATE**
- **RESULTS:**
  - **ALEXIS & IBEAM - NO DUPLICATION**
  - **MENTOR - LOOKS SIMILAR AT MACRO LEVEL**
- **BUT:**
  - **OBJECTIVES DIFFERENT**
  - **CM VS. INTEL SUPPORT TO WARNING, TGTING & STRIKE**
  - **GRANULARITY OF TERRAIN ANALYSIS DIFFERENT**
- **ACTION AGREED:**
  - **SIDE-BY-SIDE COMPARISON AT OMAHA**
  - **JNIDS "LEAPFROG" ON THEIR EFFORT**
  - **SP-10 REP PARTICIPATE IN ITERATION ONE**
  - **CONTINUE COORDINATION**

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## **KOREAN I&W PROJECT STATUS**

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- **PHASE ONE - FUNCTIONAL ANALYSIS**
  - **SECOND TRIP TO KOREA - 29 APRIL**
  
- **PLANS:**
  - **CONTINUE FUNCTIONAL ANALYSIS**
  - **DEVELOP RECOMMENDATIONS FOR TASKS**
  - **STRAWMAN SOW IN JULY 88**
  - **PURSUE FUNDING FOR FY-90 START**

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## **TECHNOLOGY SHARING**

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- **MITRE:**
  - **ON-BOARD AS OF 1 APRIL**
  - **RESEARCHING ALCM PROJECT EFFORTS**
- **SLBM PROJECT:**
  - **SCP JR TRANSFERS**
  - **FULCRUMs TO DIA/NMIC & CNO-IP**
- **ALCM PROJECT:**
  - **NORAD AND ROCC IMPLEMENTATIONS START IN FY-89**
  - **SOFTWARE TO AF SPACECOM & RADC**
  - **WIDE INTEREST IN RTAA AND PASA**
- **MICBM PROJECT:**
  - **POTENTIAL FOR:**
    - **USSPACECOM, DIA, CIA, NPIC, NSA**
    - **MULTI-SPECTRAL ANALYSIS**

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## **RESOURCE ISSUES BUDGET IMPACT ON PROJECTS**

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- **SLBM & ALCM PROJECTS - NONE**
- **MICBM PROJECT:**
  - ▶ **IOC PROTOTYPE ONLY (PHASE 2)**
  - ▶ **LIMITED GEOGRAPHIC/DOCTRINAL MODELS**
  - ▶ **RUDIMENTARY ANALYTICAL CAPABILITY**
- **KOREAN I&W PROJECT:**
  - ▶ **NO CONTRACTED DEVELOPMENT**
  - ▶ **OPPORTUNITY LOSS FOR FIRST USE OF AI  
IN THIS DOMAIN & TRANSFER TO THEATER  
I&W CENTERS**

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## **REQUIREMENTS FOR FOC**

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- **FIRST - BASE RESTORAL (\$5.6 IN FY-90)**

- **SECOND - MICBM PROJECT:**

- ▶ **FY-89 \$2.2M**
- ▶ **FY-90 \$3.1M**
- ▶ **FY-91 \$600K**

- **THIRD - KOREAN I&W PROJECT:**

- ▶ **FY-90 \$5M**
- ▶ **FY-91 \$5M**
- ▶ **FY-92 \$1M**

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## **BASE RESOURCES**

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- **NAVY WILL RESTORE THE JNIDS BASE, FY-90 & ON,  
PROVIDED, THE SERVICES AND AGENCIES WILL  
FUND THEIR RESPECTIVE PROJECTS, AND  
THE JNIDS MOA IS SO REVISED.**

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## **PROJECT FUNDING ALTERNATIVES**

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- **SERVICE NOMINATING PROJECT CERTIFY "POMMING" FUNDS WHEN CANDIDATE SUBMITTED.**
- **ALL SERVICES/AGENCIES PARTICIPATING IN JNIDS CONTRIBUTE "FAIR SHARE" PROJECT FUNDS.**
- **GDIP PROGRAM MANAGER ESTABLISH FUNDING AS PM INITIATIVES FROM PM RESERVE.**
- **OTHER SUGGESTIONS?**

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## **JNIDS FUTURE**

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**A DECISION ON PROJECT FUNDING IS REQUIRED TODAY  
TO RETAIN THE JNID STAFF, AND TO MAINTAIN  
THE PROGRAM MOMENTUM.**

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## **NORAD PERSPECTIVE**

- **FIRST EFFORT TO DEPLOY JNIDS TECHNOLOGY  
INTO OPERATIONAL ENVIRONMENT**
- **LAWS SUCCESS NOW INDEPENDENT OF  
FUTURE JNIDS ENDEAVORS = HONEST BROKER**

## **JNIDS STRENGTHS**

- **TIGHTLY FOCUSED**
- **INTEL COMMUNITY AGREED UPON PROBLEM**
- **EXPERIENCED, UNIQUELY QUALIFIED STAFF**
- **CONTRACTING VEHICLES FOR RAPID SYSTEM DEVELOPMENT**
  - **SOLE SOURCE / PRE-QUALIFIED OPTIONS**
  - **QUICK IMPLEMENTATION ONCE DECISION MADE**
- **FOCAL POINT FOR INDUSTRY INTEREST / COOPERATION**
- **TECHNICAL LESSONS LEARNED ARE APPLIED TO SUCCEEDING PROJECTS**

## **ISSUES**

- **DOES JNIDS' NARROW FOCUS NEGLECT  
BROADER INTEL COMMUNITY NEEDS?**
- **CAN SUCCESSFUL RAPID PROTOTYPING  
STILL ACCOMMODATE REQUIREMENTS THAT  
SUPPORT OPERATIONAL IMPLEMENTATION?**

## **CONSTRAINTS ON OPERATIONAL DEPLOYMENT**

- **TIGHT FOCUS LIMITS CONSIDERATION /  
ACCOMMODATION OF CLOSELY RELATED PROBLEMS**
  - **PROJECT II - SAC, NORAD, USPACOM**
  - **PROJECT III - SAC, USSPACECOM**
  - **PROJECT IV - USFK, USEUCOM**
  - **SPACE THREAT - USSPACECOM, NAVSPACECOM**

## **CONSTRAINTS (CON'T)**

- **STAFF EXPERIENCE NOT READILY ACCESSIBLE  
TO SUPPORT OPERATIONAL DEPLOYMENTS**
  - **DISTRACTS FROM CURRENT PROJECTS**
  - **SAME COTR FOR PROJECT II AND III**

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## **CONSTRAINTS (CON'T)**

- **JNIDS CONTRACTING VEHICLES NOT  
READILY ACCESSIBLE TO OTHERS**



## **CONSTRAINTS (CON'T)**

- **INDUSTRY COOPERATION/INTEREST NOT  
READILY ACCESSIBLE**
  - **LIMITED POOL OF INDUSTRY EXPERTISE**
  - **ACCESS TO JNDS CONTRACTORS DISTRACT  
FROM CURRENT PROJECTS**

## **CONSTRAINTS (CON'T)**

- **PROTOTYPE DOCUMENTATION DOESN'T MEET  
EVEN FUNDAMENTARY NEEDS FOR OPERATIONAL  
DEPLOYMENT**
  - **DOCUMENTATION REQUIRED FOR OPERATIONAL  
DEVELOPMENT / MAINTENANCE EXTRANEIOUS  
IN CURRENT JNIDS CHARTER**

## **JNIDS VIABILITY**

- **PERFORMS CRITICALLY IMPORTANT AND  
UNIQUE FUNCTION**
- **TECHNOLOGY BENEFITS THE ENTIRE INTEL  
COMMUNITY**
  - **FULL FUNDING IS ESSENTIAL**
  - **SHOULD BE DICTATED FROM HIGHEST LEVELS**

## **FUTURE PATHS**

**OPTION: SUPPORT JNIDS AT CURRENT LEVELS**

- **MAKES OPERATIONAL IMPLEMENTATION COSTS UNNECESSARILY HIGH IN TIME AND MANPOWER**
- **FAILS TO CAPITALIZE ON RAPID PROTOTYPING INVESTMENT**

## **FUTURE PATHS**

**OPTION: EXPAND CHARTER AND SUPPORT WITH  
APPROPRIATE RESOURCES**

- **AUGMENT RAPID PROTOTYPING CAPABILITY WITH  
ABILITY TO SUPPORT AND COORDINATE DEVELOPMENT  
OF OPERATIONAL IMPLEMENTATIONS**

## **FUTURE PATHS (OPTION CON'T)**

- **BECOME INTEL COMMUNITY FOCAL  
POINT FOR LESSONS LEARNED**
  - **PARSER-MESSAGE FORMATTING /  
STANDARDIZATION NEEDS**
  - **RESPONSIVE CONTRACTING METHODOLOGIES**
  - **EXPANDABLE DOMAIN EXPERT SYSTEMS**
- **ENSURE OPERATIONAL IMPLEMENTATIONS  
DO NOT COMPETE WITH JNDS FOR  
RESOURCES**